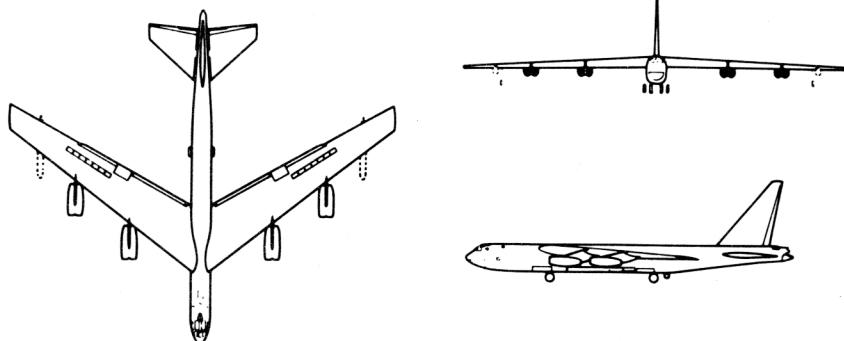


~~SECRET~~

A-1
B-52D /char
SERVICE

Characteristics Summary

BOMBER B-52D



"STRATOFORTRESS"

BOEING

Wing Area	4000 sq ft	Length	156.6 ft
Span	185.0 ft	Height (overall)	48.3 ft
		Height (fin folded)	20.8 ft

AVAILABILITY			PROCUREMENT		
Number available			Number to be delivered in fiscal years		
ACTIVE	RESERVE	TOTAL			

STATUS

1. The B-52D airplane is same as RB-52C except that it does not have the bomb bay (Capsule) convertibility to a reconnaissance characteristic.
2. Delivery: Five B-52D airplanes are scheduled for delivery . . . Dec 56 (est)

Navy Equivalent: None

Mfr's Model: 464-201-6

CLASSIFICATION CANCELLED
(OR CHANGED TO Unclassified)

BY AUTHORITY OF CHIEF OF STAFF FOR WARFARE AUTOMATICALLY
BY AUTHORITY OF CHIEF OF STAFF FOR WARFARE AUTOMATICALLY
IN NAME & GRADE OF INDIVIDUAL MAKING CHANGE) (DATE)
A. R. Johnson 29 Nov 67

POWER PLANT

(8) J57-P-19W
Pratt & Whitney
ENGINE RATINGS

S.L.S. LB - **RPM -MIN

Max: *12,100-6450/9900-5

Mil: 10,500-6150/9900-30

Nor: 9000-5900/9650-Cont

* Wet

** First figure represents low pressure spool; second figure represents high pressure spool.

Note: At present there are no requirements for ATO

FEATURES

Crew 6
 Cabin Pressurization
 Heating and Cooling
 Thermal Anti-Icing
 Braking Parachute
 Quadricycle Landing Gear
 Aerodynamic Spoilers (Air-brake)
 Vertical Camera Station
 Steerable Landing Gear
 MA-6 Bombing-Nav. System
 A-3A Fire Control System
 Folding Fin

Max Fuel Cap: . . . 42,110 gal

ARMAMENT

Turret 1
 Guns . . . 4 x .50 cal (M-3)
 Ammunition (tot) . 2400 rds
 BOMBS:
 No. Class (lb)
 New Series
 27(Family of Clusters) 1000
 Special Weapons
 1 30,000
 2 8600

Max Bomb Load: 1 x 43,000 lb

Note: Structural provisions for 50,000 lb bomb; space and structural provisions for XB-63

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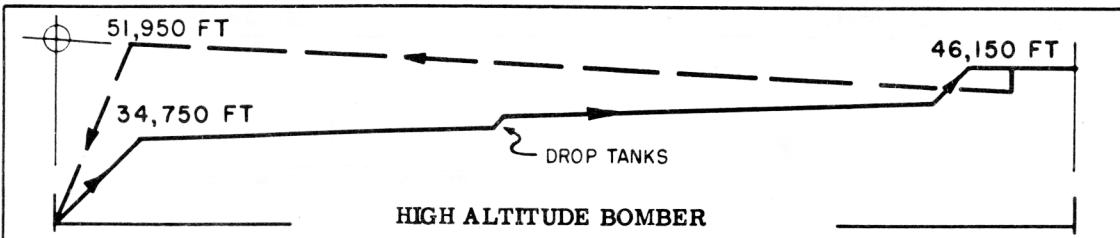
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B-52D

55 WP 1658

Characteristics Summary Basic Mission

B-52D

**PERFORMANCE**

COMBAT RADIUS	FERRY RANGE	S P E E D
3625 naut. mi with 10,000 lb payload at 457 knots avg. in 15.93 hours.	7260 (c) naut. mi with 42,110 gal fuel at 457 knots avg. in 15.93 hours at 447,500 lb T.O. wt.	COMBAT 489 knots at 46,150 ft alt, max power MAX 546 (b) knots at 20,000 ft alt, max power BASIC 518 knots at 35,000 ft alt, max power
CLIMB	CEILING	TAKE-OFF (d)
2240 fpm sea level, take-off weight normal power	38,050 ft 100 fpm, take-off weight normal power	ground run 8350 ft no assist — ft assisted
5430 fpm sea level, combat weight maximum power	47,350 ft 500 fpm, combat weight maximum power	over 50 ft height 10,650 ft no assist — ft assisted
LOAD	WEIGHTS	STALLING SPEED
Bombs 10,000 lb Ammunition: 2400 rds/.50 cal Fuel: protected 40,956 gal droppable 63 % external 15 % 15 %	Empty..... 165,110 lb Combat... 279,900 lb Take - off 450,000 lb limited by structure	136 knots power-off, landing configuration, take-off weight
		TIME TO CLIMB
		—

NOTES

1. Performance Basis:

- (a) Preliminary flight test of XB-52 and YB-52.
- (b) Limited by structure
- (c) Tanks carried all the way
- (d) Per design criteria the minimum take-off distances are: 7800 ft ground run and 30,000 ft over 50 ft obstacle.

Revision Basis: To reflect latest performance and characteristics data.